

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/788,564 A
Source: IFW/16
Date Processed by STIC: 08/17/2006

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/788,564A

DATE: 08/17/2006

TIME: 10:37:53

Input Set : A:\39750-0008C1 Saved August 10, 2006.txt
 Output Set: N:\CRF4\08172006\J788564A.raw

4 <110> APPLICANT: HANSEN, Stig
 5 WIESMANN, Christian
 7 <120> TITLE OF INVENTION: Compounds that Modulate the Activity of
 8 PTP-1B and TC-PTP
 10 <130> FILE REFERENCE: 39750-0008C1
 12 <140> CURRENT APPLICATION NUMBER: 10/788,564A
 13 <141> CURRENT FILING DATE: 2004-02-27
 15 <150> PRIOR APPLICATION NUMBER: US 60/361,475
 16 <151> PRIOR FILING DATE: 2002-03-01
 18 <150> PRIOR APPLICATION NUMBER: US 10/374,539
 19 <151> PRIOR FILING DATE: 2003-02-25
 21 <160> NUMBER OF SEQ ID NOS: 33
 23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 25 <210> SEQ ID NO: 1
 26 <211> LENGTH: 298
 27 <212> TYPE: PRT
 28 <213> ORGANISM: Homo sapiens
 30 <400> SEQUENCE: 1
 31 Met Glu Met Glu Lys Glu Phe Glu Gln Ile Asp Lys Ser Gly Ser Trp
 32 1 5 10 15
 33 Ala Ala Ile Tyr Gln Asp Ile Arg His Glu Ala Ser Asp Phe Pro Cys
 34 20 25 30
 35 Arg Val Ala Lys Leu Pro Lys Asn Lys Asn Arg Asn Arg Tyr Arg Asp
 36 35 40 45
 37 Val Ser Pro Phe Asp His Ser Arg Ile Lys Leu His Gln Glu Asp Asn
 38 50 55 60
 39 Asp Tyr Ile Asn Ala Ser Leu Ile Lys Met Glu Glu Ala Gln Arg Ser
 40 65 70 75 80
 41 Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Gly His Phe Trp
 42 85 90 95
 43 Glu Met Val Trp Glu Gln Lys Ser Arg Gly Val Val Met Leu Asn Arg
 44 100 105 110
 45 Val Met Glu Lys Gly Ser Leu Lys Cys Ala Gln Tyr Trp Pro Gln Lys
 46 115 120 125
 47 Glu Glu Lys Glu Met Ile Phe Glu Asp Thr Asn Leu Lys Leu Thr Leu
 48 130 135 140
 49 Ile Ser Glu Asp Ile Lys Ser Tyr Tyr Thr Val Arg Gln Leu Glu Leu
 50 145 150 155 160
 51 Glu Asn Leu Thr Thr Gln Glu Thr Arg Glu Ile Leu His Phe His Tyr
 52 165 170 175
 53 Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe Leu
 54 180 185 190
 55 Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Ser Pro Glu His

(CPG-6)

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56 195 200 205
 57 Gly Pro Val Val Val His Cys Ser Ala Gly Ile Gly Arg Ser Gly Thr
 58 210 215 220
 59 Phe Cys Leu Ala Asp Thr Cys Leu Leu Leu Met Asp Lys Arg Lys Asp
 60 225 230 235 240
 61 Pro Ser Ser Val Asp Ile Lys Lys Val Leu Leu Glu Met Arg Lys Phe
 62 245 250 255
 63 Arg Met Gly Leu Ile Gln Thr Ala Asp Gln Leu Arg Phe Ser Tyr Leu
 64 260 265 270
 65 Ala Val Ile Glu Gly Ala Lys Phe Ile Met Gly Asp Ser Ser Val Gln
 66 275 280 285
 67 Asp Gln Trp Lys Glu Leu Ser His Glu Asp
 68 290 295
 71 <210> SEQ ID NO: 2
 72 <211> LENGTH: 296
 73 <212> TYPE: PRT
 74 <213> ORGANISM: Homo sapiens
 76 <400> SEQUENCE: 2
 77 Met Pro Thr Thr Ile Glu Arg Glu Phe, Glu Glu Leu Asp Thr Gln Arg
 78 1 5 10 15
 79 Arg Trp Gln Pro Leu Tyr Leu Glu Ile Arg Asn Glu Ser His Asp Tyr
 80 20 25 30
 81 Pro His Arg Val Ala Lys Phe Pro Glu Asn Arg Asn Arg Asn Arg Tyr
 82 35 40 45
 83 Arg Asp Val Ser Pro Tyr Asp His Ser Arg Val Lys Leu Gln Asn Ala
 84 50 55 60
 85 Glu Asn Asp Tyr Ile Asn Ala Ser Leu Val Asp Ile Glu Glu Ala Gln
 86 65 70 75 80
 87 Arg Ser Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Cys His
 88 85 90 95
 89 Phe Trp Leu Met Val Trp Gln Gln Lys Thr Lys Ala Val Val Met Leu
 90 100 105 110
 91 Asn Arg Ile Val Glu Lys Glu Ser Val Lys Cys Ala Gln Tyr Trp Pro
 92 115 120 125
 93 Thr Asp Asp Gln Glu Met Leu Phe Lys Glu Thr Gly Phe Ser Val Lys
 94 130 135 140
 95 Leu Leu Ser Glu Asp Val Lys Ser Tyr Tyr Thr Val His Leu Leu Gln
 96 145 150 155 160
 97 Leu Glu Asn Ile Asn Ser Gly Glu Thr Arg Thr Ile Ser His Phe His
 98 165 170 175
 99 Tyr Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe
 100 180 185 190
 101 Leu Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Asn Pro Asp
 102 195 200 205
 103 His Gly Pro Ala Val Ile His Cys Ser Ala Gly Ile Gly Arg Ser Gly
 104 210 215 220
 105 Thr Phe Ser Leu Val Asp Thr Cys Leu Val Leu Met Glu Lys Gly Asp
 106 225 230 235 240
 107 Asp Ile Asn Ile Lys Gln Val Leu Leu Asn Met Arg Lys Tyr Arg Met

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108 245 250 255
 109 Gly Leu Ile Gln Thr Pro Asp Gln Leu Arg Phe Ser Tyr Met Ala Ile
 110 260 265 270
 111 Ile Glu Gly Ala Lys Cys Ile Lys Gly Asp Ser Ser Ile Gln Lys Arg
 112 275 280 285
 113 Trp Lys Glu Leu Ser Lys Glu Asp
 114 290 295
 117 <210> SEQ ID NO: 3
 118 <211> LENGTH: 296
 119 <212> TYPE: PRT
 120 <213> ORGANISM: Homo sapiens
 122 <400> SEQUENCE: 3
 123 Pro Ile Thr Asp Leu Ala Asp Asn Ile Glu Arg Leu Lys Ala Asn Asp
 124 1 5 10 15
 125 Gly Leu Lys Phe Ser Gln Glu Tyr Glu Ser Ile Asp Pro Gly Gln Gln
 126 20 25 30
 127 Phe Thr Trp Glu Asn Ser Asn Leu Glu Val Asn Lys Pro Lys Asn Arg
 128 35 40 45
 129 Tyr Ala Asn Val Ile Ala Tyr Asp His Ser Arg Val Ile Leu Thr Ser
 130 50 55 60
 131 Ile Asp Gly Val Pro Gly Ser Asp Tyr Ile Asn Ala Asn Tyr Ile Asp
 132 65 70 75 80
 133 Gly Tyr Arg Lys Gln Asn Ala Tyr Ile Ala Thr Gln Gly Pro Leu Pro
 134 85 90 95
 135 Glu Thr Met Gly Asp Phe Trp Arg Met Val Trp Glu Gln Arg Thr Ala
 136 100 105 110
 137 Thr Val Val Met Met Thr Arg Leu Glu Glu Lys Ser Arg Val Lys Cys
 138 115 120 125
 139 Asp Gln Tyr Trp Pro Ala Arg Gly Thr Glu Thr Cys Gly Leu Ile Gln
 140 130 135 140
 141 Val Thr Leu Leu Asp Thr Val Glu Leu Ala Thr Tyr Thr Val Arg Thr
 142 145 150 155 160
 143 Phe Ala Leu His Lys Ser Gly Ser Ser Glu Lys Arg Glu Leu Arg Gln
 144 165 170 175
 145 Phe Gln Phe Met Ala Trp Pro Asp His Gly Val Pro Glu Tyr Pro Thr
 146 180 185 190
 147 Pro Ile Leu Ala Phe Leu Arg Arg Val Lys Ala Cys Asn Pro Leu Asp
 148 195 200 205
 149 Ala Gly Pro Met Val Val His Cys Ser Ala Gly Val Gly Arg Thr Gly
 150 210 215 220
 151 Cys Phe Ile Val Ile Asp Ala Met Leu Glu Arg Met Lys His Glu Lys
 152 225 230 235 240
 153 Thr Val Asp Ile Tyr Gly His Val Thr Cys Met Arg Ser Gln Arg Asn
 154 245 250 255
 155 Tyr Met Val Gln Thr Glu Asp Gln Tyr Val Phe Ile His Glu Ala Leu
 156 260 265 270
 157 Leu Glu Ala Ala Thr Cys Gly His Thr Glu Val Pro Ala Arg Asn Leu
 158 275 280 285
 159 Tyr Ala His Ile Gln Lys Leu Gly

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160 290 295
 163 <210> SEQ ID NO: 4
 164 <211> LENGTH: 320
 165 <212> TYPE: PRT
 166 <213> ORGANISM: Homo sapiens
 168 <400> SEQUENCE: 4
 169 Met Glu Met Glu Lys Glu Phe Glu Gln Ile Asp Lys Ser Gly Ser Trp
 170 1 5 10 15
 171 Ala Ala Ile Tyr Gln Asp Ile Arg His Glu Ala Ser Asp Phe Pro Cys
 172 20 25 30
 173 Arg Val Ala Lys Leu Pro Lys Asn Lys Asn Arg Asn Arg Tyr Arg Asp
 174 35 40 45
 175 Val Ser Pro Phe Asp His Ser Arg Ile Lys Leu His Gln Glu Asp Asn
 176 50 55 60
 177 Asp Tyr Ile Asn Ala Ser Leu Ile Lys Met Glu Glu Ala Gln Arg Ser
 178 65 70 75 80
 179 Tyr Ile Leu Thr Gln Gly Pro Leu Pro Asn Thr Cys Gly His Phe Trp
 180 85 90 95
 181 Glu Met Val Trp Glu Gln Lys Ser Arg Gly Val Val Met Leu Asn Arg
 182 100 105 110
 183 Val Met Glu Lys Gly Ser Leu Lys Cys Ala Gln Tyr Trp Pro Gln Lys
 184 115 120 125
 185 Glu Glu Lys Glu Met Ile Phe Glu Asp Thr Asn Leu Lys Leu Thr Leu
 186 130 135 140
 187 Ile Ser Glu Asp Ile Lys Ser Tyr Tyr Thr Val Arg Gln Leu Glu Leu
 188 145 150 155 160
 189 Glu Asn Leu Thr Thr Gln Glu Thr Arg Glu Ile Leu His Phe His Tyr
 190 165 170 175
 191 Thr Thr Trp Pro Asp Phe Gly Val Pro Glu Ser Pro Ala Ser Phe Leu
 192 180 185 190
 193 Asn Phe Leu Phe Lys Val Arg Glu Ser Gly Ser Leu Ser Pro Glu His
 194 195 200 205
 195 Gly Pro Val Val Val His Cys Ser Ala Gly Ile Gly Arg Ser Gly Thr
 196 210 215 220
 197 Phe Cys Leu Ala Asp Thr Cys Leu Leu Leu Met Asp Lys Arg Lys Asp
 198 225 230 235 240
 199 Pro Ser Ser Val Asp Ile Lys Lys Val Leu Leu Glu Met Arg Lys Phe
 200 245 250 255
 201 Arg Met Gly Leu Ile Gln Thr Ala Asp Gln Leu Arg Phe Ser Tyr Leu
 202 260 265 270
 203 Ala Val Ile Glu Gly Ala Lys Phe Ile Met Gly Asp Ser Ser Val Gln
 204 275 280 285
 205 Asp Gln Trp Lys Glu Leu Ser His Glu Asp Leu Glu Pro Pro Pro Glu
 206 290 295 300
 207 His Ile Pro Pro Pro Pro Arg Pro Pro Lys Arg Ile Leu Glu Pro His
 208 305 310 315 320
 211 <210> SEQ ID NO: 5
 212 <211> LENGTH: 29
 213 <212> TYPE: DNA

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214 <213> ORGANISM: Homo sapiens
216 <400> SEQUENCE: 5
217 gccatatgga gatggaaaag gagttcgag 29
219 <210> SEQ ID NO: 6
220 <211> LENGTH: 40
221 <212> TYPE: DNA
222 <213> ORGANISM: Homo sapiens
224 <400> SEQUENCE: 6
225 gcgacgcgaa ttcttaattt tggtggctcca ggattcgttt 40
227 <210> SEQ ID NO: 7
228 <211> LENGTH: 34
229 <212> TYPE: DNA
230 <213> ORGANISM: Homo sapiens
232 <400> SEQUENCE: 7
233 tgccggaatt ccttagtcct cgtggaaaag ctcc 34
235 <210> SEQ ID NO: 8
236 <211> LENGTH: 27
237 <212> TYPE: DNA
238 <213> ORGANISM: Homo sapiens
240 <400> SEQUENCE: 8
241 ttcttggcgt ttcttcgcaa agtccga 27
243 <210> SEQ ID NO: 9
244 <211> LENGTH: 27
245 <212> TYPE: DNA
246 <213> ORGANISM: Homo sapiens
248 <400> SEQUENCE: 9
249 gactttgcga agaaaacgcga agaatga 27
251 <210> SEQ ID NO: 10
252 <211> LENGTH: 21
253 <212> TYPE: DNA
254 <213> ORGANISM: Homo sapiens
256 <400> SEQUENCE: 10
257 ggtgccaaat gcatcatggg g 21
259 <210> SEQ ID NO: 11
260 <211> LENGTH: 21
261 <212> TYPE: DNA
262 <213> ORGANISM: Homo sapiens
264 <400> SEQUENCE: 11
265 ccccatgatg cattttggcac c 21
267 <210> SEQ ID NO: 12
268 <211> LENGTH: 34
269 <212> TYPE: DNA
270 <213> ORGANISM: Homo sapiens
272 <400> SEQUENCE: 12
273 tgccggaatt ccttagtcct cgtgcgaaaag ctcc 34
275 <210> SEQ ID NO: 13
276 <211> LENGTH: 31
277 <212> TYPE: DNA
278 <213> ORGANISM: Homo sapiens

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:30; Xaa Pos. 3,4,5,6,7
Seq#:31; Xaa Pos. 3,4,5,6,7
Seq#:32; Xaa Pos. 3,4,5,6,7
Seq#:33; Xaa Pos. 3,4,5,6,7

VERIFICATION SUMMARY

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DATE: 08/17/2006

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Input Set : A:\39750-0008C1 Saved August 10, 2006.txt
Output Set: N:\CRF4\08172006\J788564A.raw

L:425 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:0
L:443 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:0
L:461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:32 after pos.:0
L:479 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33 after pos.:0